Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided – *there may be more space than you need*.

Information

- The total mark for this paper is 54.
- The marks for each question are shown in brackets – *use this as a guide as to how much time to spend on each question.*
- Questions labelled with an **asterisk** (*) are ones where the quality of your written communication will be assessed – *you should take particular care on these questions with your spelling, punctuation and grammar, as well as the clarity of expression.*
- The marks available for spelling, punctuation and grammar are clearly indicated.

Advice

- Read each question carefully before you start to answer it.
- Try to answer every question.
- Check your answers if you have time at the end.
SECTION A – GEOGRAPHICAL SKILLS

Answer ALL questions in this section.

1 (a) Study the Ordnance Survey (OS) map extract and Figure 1 (photograph) in the Resource Booklet.

(i) Find Northrepps in grid square 2439.

Which term best describes the shape of this settlement?

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(ii) Identify the land use labelled Y.

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(iii) Feature X is a lighthouse.

State two reasons why this location was chosen for a lighthouse.

Reason 1
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Reason 2
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(b) Locate the North Norfolk Railway which runs between Sheringham and Holt.

What is the distance along the railway line from Weybourne Station (118419) to Holt Station (094396)?

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(c) Study the OS map extract.

Describe the physical features of the north Norfolk area.

Use evidence from the OS map extract.

(Total for Question 1 = 9 marks)
2. (a) Study Figure 2a in the Resource Booklet and the OS map extract.

Use evidence from the OS map extract to suggest one reason why this location may be suitable for a new wind turbine.

(b) Study Figure 2b in the Resource Booklet.

(i) Use the data provided to complete the shading in the pie chart below.

![Pie chart of the results from a survey about the visual effects of new wind turbines on the countryside](image)
(ii) Explain the limitations of using the survey data in Figure 2b to support the building of the planned wind turbine at Bodham Hill.

(c) Explain how Geographical Information Systems (GIS) might be used to find out more information about an area such as Bodham Hill.

(Total for Question 2 = 10 marks)
Study Figure 3 in the Resource Booklet and the OS map extract.

A group of GCSE students carried out their Controlled Assessment in north Norfolk.

For one of the topics shown on Figure 3:

State a suitable geographical question or hypothesis for a geographical enquiry.

Describe the primary and secondary information you would need to collect to investigate your question or hypothesis.

(Total for Question 3 = 6 marks)
SECTION B – CHALLENGES FOR THE PLANET

Answer ALL questions in this section.

Spelling, punctuation and grammar will be assessed in part 5*(b).

4 (a) Study Figure 4a in the Resource Booklet.

(i) Describe one difference in the predicted global sea level rise for 2050 and 2100.

(ii) Explain two natural causes of climate change since the last ice age.

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(b) Study Figure 4b below.

![Image showing glacier retreat](source_url)

**Figure 4b**

An example of glacier retreat in Switzerland between 1985 and 2007

(i) Climate change is causing rapid retreat of glaciers in some parts of the world.

Suggest how the melting of glaciers can have negative effects on people.

(4)
(ii) Describe one global response to climate change.

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(Total for Question 4 = 13 marks)
5  (a) Study Figure 5 in the Resource Booklet.

Describe the changes in the rate of deforestation between 2004 and 2012.

Use data to support your answer.

(3)
*(b) Using examples, examine the policies used by large organisations in an attempt to make themselves more sustainable.

(Total for spelling, punctuation and grammar = 4 marks)
(Total for Question 5 = 16 marks)

TOTAL FOR SECTION B = 29 MARKS
TOTAL FOR PAPER = 54 MARKS
Information

- This Resource Booklet contains photographs, tables, graphs and diagrams needed for use with the Unit 1 Geographical Skills and Challenges examination. This Resource Booklet is for use with both Foundation and Higher tiers.
Figure 1

An oblique aerial photograph looking from Overstrand towards Cromer

(Source: © www.mike-page.co.uk)
Figure 2a
A picture to show how a planned large wind turbine would look at Bodham Hill (grid square 1338), north Norfolk

<table>
<thead>
<tr>
<th>Tourist opinions</th>
<th>Number of tourists</th>
</tr>
</thead>
<tbody>
<tr>
<td>A very positive effect</td>
<td>15</td>
</tr>
<tr>
<td>A positive effect</td>
<td>28</td>
</tr>
<tr>
<td>Has no effect</td>
<td>40</td>
</tr>
<tr>
<td>Some negative effects</td>
<td>10</td>
</tr>
<tr>
<td>Very negative effects</td>
<td>1</td>
</tr>
<tr>
<td>Don’t know</td>
<td>6</td>
</tr>
</tbody>
</table>

Figure 2b
Results from a survey of 100 tourists about the visual effects of new wind turbines on the countryside (Scottish Highlands in June 2002)
Figure 3

Examples of possible fieldwork topics in north Norfolk
SECTION B – CHALLENGES FOR THE PLANET

Figure 4a
Predicted global sea level changes in 2050 and 2100

Figure 5
An estimate of annual deforestation in the Brazilian Amazon rainforest, 2004 to 2012
